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(54) REAGENT FOR MEASUREMENT OF ENZYME IMMUNITY AND PREPARATION THEREOF

(57)Abstract:

PURPOSE: To improve the measuring sensitivity and reproducibility by bonding 5 molecules of an antigen or antibody with one molecule of glucose 6 dehydrogenase phosphate (G6PDH) thereby to obtain a reagent for measuring enzyme immunity.

CONSTITUTION: G6PDH to be used as a marker antibody has the molecular weight of 110,000, showing superior stability is used as an antibody market. An antibody obtained, for example, by immunizing an animal against an antigen, or a fragment having the antigen avidity and obtained by making a protein lytic enzyme act to the above antibody may be usable as an antibody to mark an enzyme. A bridging agent having maleimide group is employable when the G6PDH is to be marked to an antibody. If an enzyme market antibody obtained by bonding five molecules of antibodies with one molecule of the G6PDH with using the G6PDH as a marker enzyme is prepared to be a suitable concentration to a buffer solution of pH2-8 and used for the enzyme immunity

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measurement of homogeneous method or heterogeneous method, it becomes easy to detect an object to be detected.

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